

1 What is claimed is:

2 1. A handheld computerized device comprising:

3 a keyboard portion having a support base and a keypad, the support base defined by a top  
4 surface, a bottom surface, a rear edge, a front edge, and a pair of side edges, the keypad  
5 overlaying the top surface of the support base;

6 an electronic housing having a configuration defined by a top surface, a bottom surface, a  
7 rear edge, a front edge, and a pair of side edges, the front edge of the electronic housing  
8 being hingedly coupled to the front edge of the support base such that the electronic  
9 housing can pivot from a closed position into an open position wherein the bottom surface  
10 of the electronic housing is parallel to the bottom surface of the support base;

11 a pair of hand support means being securely attached at an ergonomic position along each  
12 side edge of the electronic housing, whereby a user's left hand or right hand or both hands  
13 are supported while the user is typing on the keypad;

14 a means for displaying data overlaying the top surface of the electronic housing; and

15 a processor situated within the electronic housing, the processor electrically connected to  
16 the display means and the keyboard portion whereby data entered at the keypad is  
17 transmitted to the processor and displayed by the display means.

18 2. The device recited in Claim 1, wherein the keypad further comprises:

19 a first and a second section having a plurality of alphanumeric keys each adapted to  
20 generate a character signal upon depression thereof, each section being in the form of  
21 complementary symmetrical or asymmetrical parabolas;

22 the first and the second section lying co-planar vertically parallel along the top surface of  
23 the support base of the keyboard portion;

24 the first section of the keypad being arranged in the standard QWERTY keyboard format  
25 for the left hand; and

26 the second section of the keypad being arranged in the standard QWERTY keyboard  
27 format for the right hand.

28 3. The device recited in Claim 1, wherein the display means further comprises:

29 a display area defined by a top edge, bottom edge, and a pair of side edges;

- 1 a front panel surrounding the display area and being defined by a top strip, a bottom strip,  
2 and a pair of side strips; and  
3 each edge of the display area lying adjacent to and being securely attached to each  
4 corresponding strip of the display area.
- 5 4. The device recited in Claim 3 wherein the display area is a Liquid Crystals Display (LCD).  
6 5. The device recited in Claim 3, wherein the bottom strip and each side strip of the front panel  
7 further comprises:  
8 a plurality of additional alphanumeric keys each adapted to generate a character signal  
9 upon depression thereof; and  
10 a means for electrically connecting the plurality of additional alphanumeric keys to the  
11 processor whereby each generated character signal is transmitted to the processor.
- 12 6. The device recited in Claim 1, further comprising:  
13 a pressure sensitive writing means for allowing data to be inputted via handwriting; and  
14 the pressure sensitive writing means overlapping the bottom edge of the display area.
- 15 7. A handheld computerized device comprising:  
16 a keyboard portion having a support base and a keypad, the support base including a top  
17 surface, a bottom surface, a rear edge, a front edge, and a pair of side edges, the keypad  
18 overlaying the top surface of the support base;  
19 an electronic housing having a configuration with a top surface, a bottom surface, a rear  
20 edge, a front edge, and a pair of side edges, the bottom surface of the electronic housing  
21 being securely attached to the bottom surface of the keyboard portion;  
22 a pair of hand support means being securely attached at an ergonomic position along each  
23 side edge of the electronic housing, whereby a user's left hand or right hand or both hands  
24 are supported while the user is typing on the keypad;  
25 a means for displaying data overlaying the top surface of the electronic housing; and  
26 a processor situated within the electronic housing, the processor electrically connected to  
27 the display means and the keyboard portion whereby the data entered at the keypad is  
28 transmitted to the processor and displayed by the display means.
- 29 8. The device recited in Claim 7, wherein the keypad further comprises:

- 1 a first and a second section having a plurality of alphanumeric keys each adapted to  
2 generate a character signal upon depression thereof, each section being in the form of  
3 complementary symmetrical or asymmetrical parabolas;  
4 the first and second section lying co-planar vertically parallel along the top surface of the  
5 support base of the keyboard portion;  
6 the first section of the keypad being arranged in the standard QWERTY keyboard format  
7 for the left hand; and  
8 the second section of the keypad being arranged in the standard QWERTY keyboard  
9 format for the right hand.
- 10 9. The device recited in Claim 7, wherein the display means further comprises:  
11 a display area defined by a top edge, bottom edge, and a pair of side edges;  
12 a front panel surrounding the display area and being defined by a top strip, a bottom strip,  
13 and a pair of side strips; and  
14 each edge of the display area lying adjacent to and being securely attached to each  
15 corresponding strip of the display area.
- 16 10. The device recited in Claim 9 wherein the display area is a Liquid Crystals Display (LCD).
- 17 11. The device recited in Claim 10, wherein the bottom strip and each side strip of the front  
18 panel further comprises:  
19 a plurality of additional alphanumeric keys each adapted to generate a character signal  
20 upon depression thereof; and  
21 a means for electrically connecting the plurality of additional alphanumeric keys to the  
22 processor whereby each generated character signal is transmitted to the processor.
- 23 12. The device recited in Claim 7, further comprising:  
24 a pressure sensitive writing means for allowing data to be inputted via handwriting; and  
25 the pressure sensitive writing means overlapping the bottom edge of the display area.
- 26 13. A handheld computerized device comprising:  
27 a sliding bracket having a pair of guide members;  
28 a keyboard portion having a support base and a keypad, the support base including a top  
29 surface, a bottom surface, a rear edge, a front edge, and a pair of side edges, the pair of

1 side edges being adapted to slide into the pair of guide members, the keypad overlaying  
2 the top surface of the support base;  
3 an electronic housing having a configuration with a top surface, a bottom surface, a rear  
4 edge, a front edge, and a pair of side edges, the pair of side edges being integrally coupled  
5 to the pair of guide members;  
6 a pair of hand support means being securely attached at an ergonomic position along each  
7 side edge of the electronic housing, whereby a user's left hand or right hand or both hands  
8 are supported while the user is typing on the keypad;  
9 a means for displaying data overlaying the top surface of the electronic housing; and  
10 a processor situated within the electronic housing, the processor electrically connected to  
11 the display means and the keyboard portion whereby the data entered at the keypad is  
12 transmitted to the processor and displayed by the display means.

13 14. The device recited in Claim 13, wherein the keypad further comprises:

14 a first and a second section having a plurality of alphanumeric keys each adapted to  
15 generate a character signal upon depression thereof, each section being in the form of  
16 complementary symmetrical or asymmetrical parabolas;  
17 the first and second section lying co-planar vertically parallel along the top surface of the  
18 support base of the keyboard portion;  
19 the first section of the keypad being arranged in the standard QWERTY keyboard format  
20 for the left hand; and  
21 the second section of the keypad being arranged in the standard QWERTY keyboard  
22 format for the right hand;

23 15. The device recited in Claim 13, wherein the display means further comprises:

24 a display area defined by a top edge, bottom edge, and a pair of side edges;  
25 a front panel surrounding the display area and being defined by a top strip, a bottom strip,  
26 and a pair of side strips; and  
27 each edge of the display area lying adjacent to and being securely attached to each  
28 corresponding strip of the display area.

29 16. The device recited in Claim 15 wherein the display area is a Liquid Crystals Display (LCD).

1 17. The device recited in Claim 15, wherein the bottom strip and each side strip of the front  
2 panel further comprises:

3 a plurality of additional alphanumeric keys each adapted to generate a character signal  
4 upon depression thereof; and

5 a means for electrically connecting the plurality of additional alphanumeric keys to the  
6 processor whereby each generated character signal is transmitted to the processor.

7 18. The device recited in Claim 13, further comprising:

8 a pressure sensitive writing means for allowing data to be inputted via handwriting; and  
9 the pressure sensitive writing means overlapping the bottom edge of the display area.